

TEST RESULT DATA

SITE	RATE(Min)	DEPTH
H-09	20	2.5' & 8.5'
J-09	14	2.5' & 12.5'
N-09	19	2.5' & 10.0'

3 SITES 18 Min. = 0.248/Max. Application Rate

COMPUTATION OF DESIGN FLOW
 CHURCH: 5 Gal./day/100 = 500 Gal./day
 REQUIRED DESIGN FLOW: 500 Gal./day
INITIAL SHALLOW TRENCH DESIGN
 Depth of Stone = 30 inches = 2.5 FT.
 Sidewall Absorption Area = (500 Gal./day)/(0.248) = 2016.12 S.F.
 (2.5' Sidewall X 2 Sides = 5 S.F. per linear foot)
 INITIAL TRENCH LENGTH REQUIRED = 403.2 LF
 INITIAL TRENCH LENGTH PROVIDED = 403.2 LF
 TOTAL REQUIRED TRENCH LENGTH = 403.2 X 4 = 1612.8 LF
 TOTAL PROVIDED TRENCH LENGTH = 1654.0 LF

SITE DATA

SUBJECT PROPERTY: LOT 34, BLOCK 9
 PLAT NO. 24817
 TAX MAP FP61

GROSS TRACT AREA: 2.842 ACRES

RIGHT-OF-WAY DEDICATION: NONE

NET LOT AREA: 2.842 ACRES

NUMBER OF LOTS: 1 LOT

ZONING CLASSIFICATION: RE-2 - RESIDENTIAL, SINGLE FAMILY

PROPERTY ADDRESS: 9111 RIVER ROAD
 POTOMAC, MD 20854

TAX ACCOUNT No.: 03743498

SEWER SERVICE AREA CATEGORY: S-3

WATER SERVICE AREA CATEGORY: W-3

TYPE OF SEWAGE DISPOSAL: SEPTIC

TYPE OF WATER SUPPLY: PUBLIC SERVICE (EXTENSION TO BE CONSTRUCTED PER THIS PLAN)

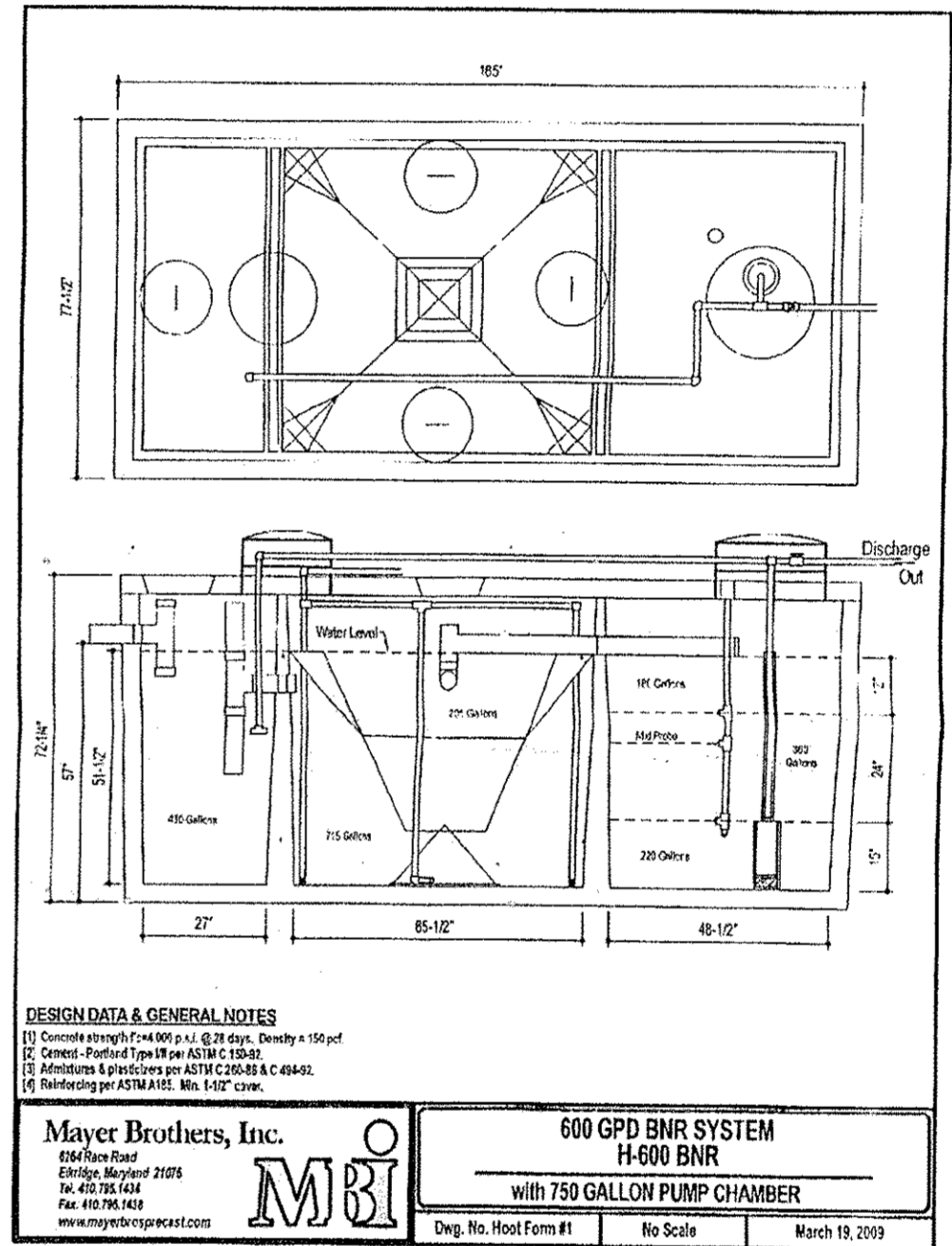
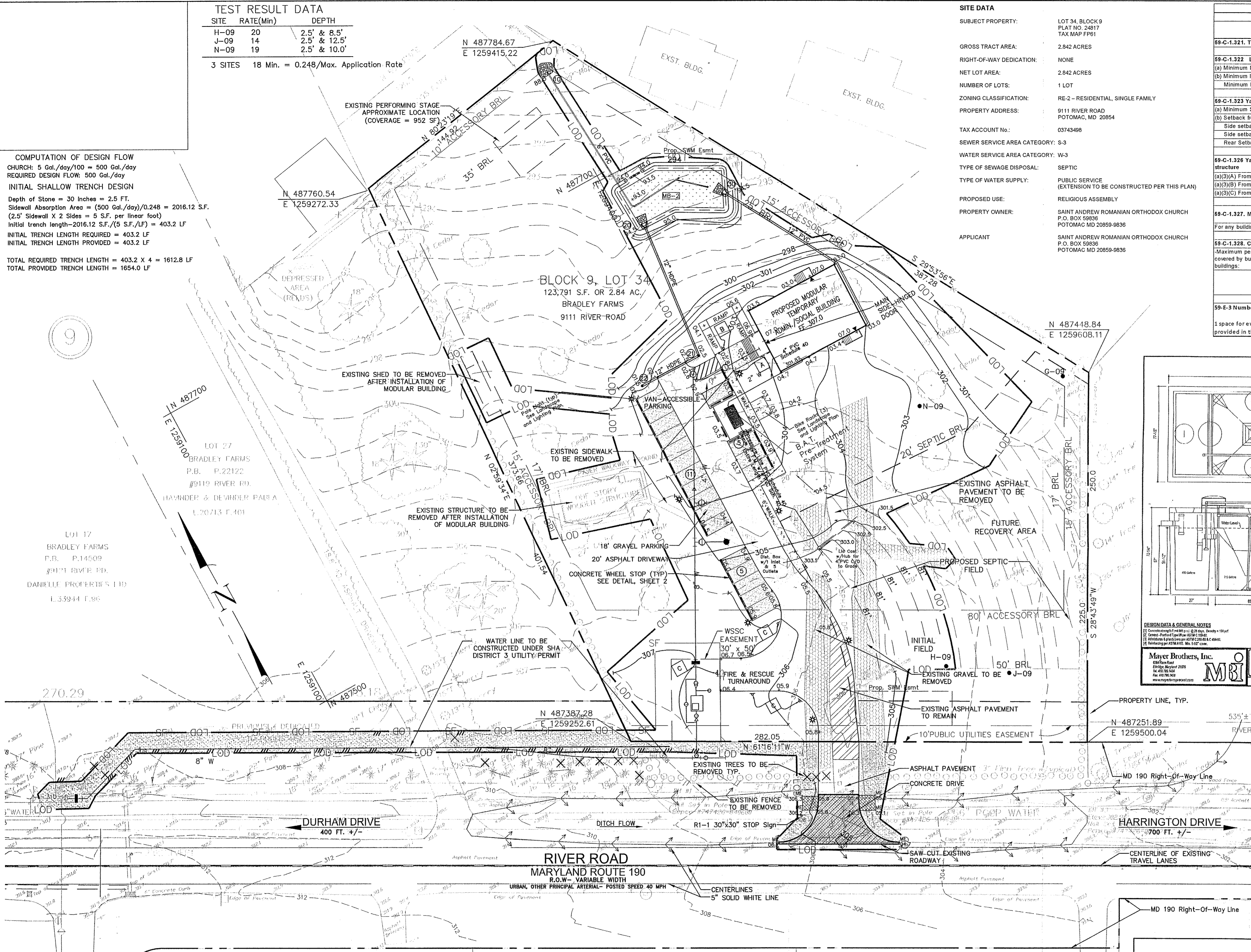
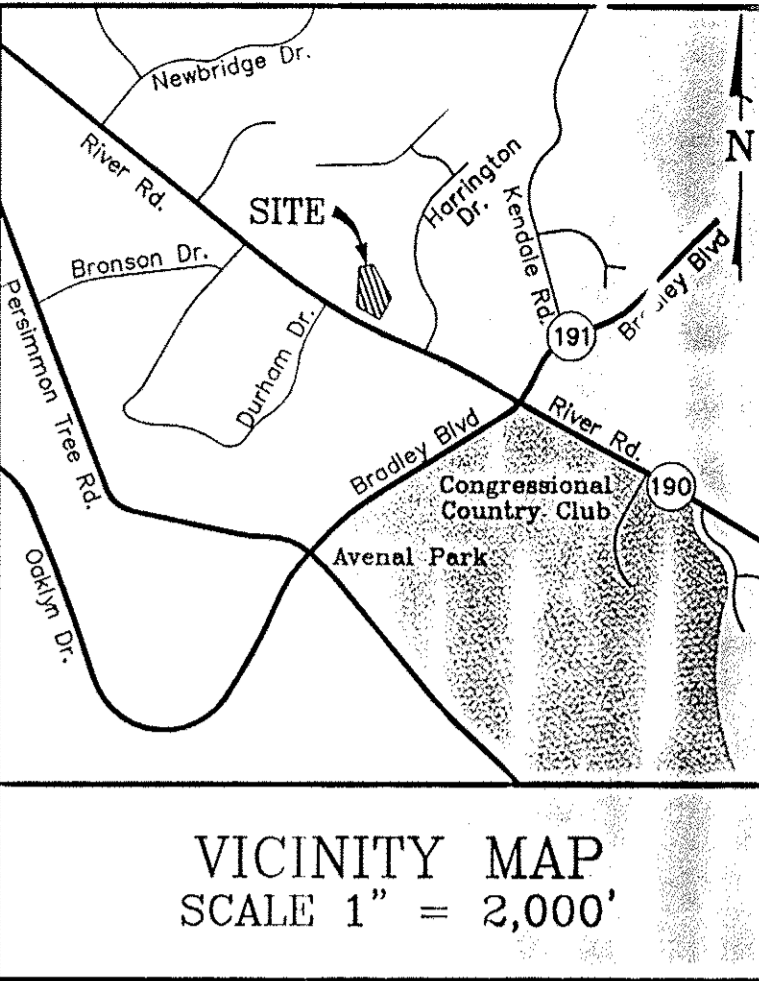
PROPOSED USE: RELIGIOUS ASSEMBLY

PROPERTY OWNER: SAINT ANDREW ROMANIAN ORTHODOX CHURCH
 P.O. BOX 59836
 POTOMAC MD 20859-8936

APPLICANT: SAINT ANDREW ROMANIAN ORTHODOX CHURCH
 P.O. BOX 59836
 POTOMAC MD 20859-8936

DEVELOPMENT STANDARDS

2004 ZONING CODE	REQUIRED / ALLOWED	PROVIDED
69-C-1.321. Tract Area and Density.	N/A	N/A
69-C-1.322 Lot area and Width		
(a) Minimum Net Lot Area	87,120 sf	123,791 sf
(b) Minimum lot width at front building line	150 ft	306.1 ft
Minimum Lot width at street line	25 ft	300 ft
69-C-1.323 Yard Requirements for Main Bldg		
(a) Minimum Setback from street	50 ft	225.7 ft
(b) Setback from adjoining lot		
Side setback (one side)	17 ft	25.4 ft
Side setback (sum of both sides)	35 ft	179.0 ft
Rear Setback	35 ft	203.5 ft
69-C-1.326 Yard requirements for an accessory structure		
(a)(3)(A) From the street line (min)	80 ft	247 ft
(a)(3)(B) From a rear lot line (min)	10 ft	25 ft
(a)(3)(C) From a side lot line (min)	15 ft	25.4 ft
69-C-1.327. Maximum Building Height		
For any building in these zones:	50 ft	16.9 ft
69-C-1.328. Coverage		
-Maximum percentage of net lot area that may be covered by buildings, including accessory buildings:	25%	2.9%
Proposed building coverage (sf)	2520	2.0%
Proposed porch canopy coverage (sf)	113.5	0.1%
Existing stage coverage (sf)	952	0.8%
59-E-3 Number of Parking Spaces Required		
1 space for every 4 person for whom seating is provided in the main auditorium	20 (80 seats)	21 (includes 1 accessible parking space)



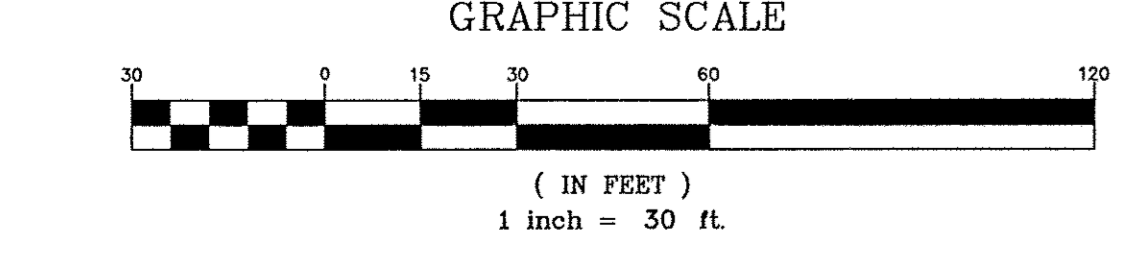
B.A.T. Pre-Treatment System
 Provide 600 GPD BNR SYSTEM
 H-600 BNR
 or MDE-Approved Equivalent
 TOP of Tank = 301.99
 INV. IN = 300.72
 INV. OUT = 302.12
 Top of MH's = 302.99

NOTE: This septic system is designed for 100 seats.

LEGEND

EXISTING	PROPOSED
EX. 8" SEW	LIGHT POST
EX. 15" S/D	SANITARY SEWER
EX. 6" WAT	STORM DRAIN
	WATER LINE
	GAS
	TELEPHONE
	SPOT ELEVATION
	CONTOUR
	CURB & GUTTER
	CONCRETE
	SIGN
	BUILDING
	LIMITS OF DISTURBANCE
	PROPOSED ASPHALT DRIVEWAY
	EXISTING ASPHALT TO REMAIN
	PROPOSED GRAVEL
	EXISTING GRAVEL TO BE REMOVED
	PROPOSED PAVEMENT IN SHA RIGHT-OF-WAY

MONTGOMERY COUNTY, MARYLAND
 DEPARTMENT OF PERMITTING SERVICES
 APPROVED BY: [Signature]
 DATE APPROVED: 2/23/16
 WELL & SEPTIC PERMIT NUMBER: [Number]
 Rev. B.A.T.



Height Calculations

Average Existing Grade Elev. Along Front of Building
 Length = 42'
 Existing elevation changes from 301.2 to 299.5
 = 300.35 average elevation

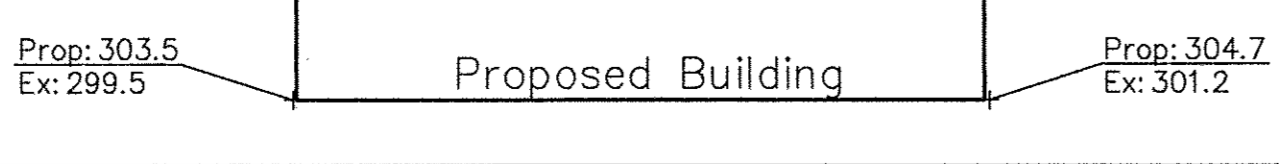
Height from FF to Mean Roof = 10.25 feet per email from Architect
 Elev. of Finished First Floor = 307.0 feet
 Elev. of Mean Roof = 317.25 feet
 Avg. Ex. Grade Elev. Along Front of Building = 300.35 feet
 Building Height = 16.9 feet

In our professional opinion, the height of this building, as defined by the Montgomery County Zoning Ordinance, is 16.9 feet, as computed from the information contained in an e-mail from the Architect dated 08/04/15. The height of this building may be impacted by final grading, but the building should not exceed 50 feet.

REVISIONS

NO.	DATE	DESCRIPTION
1	12.07.15	Revised Septic Field & Removed Septic Tank per MCDPS, W & S
2	12.29.15	Corrected Septic Comps. By Others
3	02.19.16	Added Hoot BNR Detail

Call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work.
 The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have those facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.



SITE PLAN
 LOT 34, BLOCK 9
ST. ANDREW ROMANIAN ORTHODOX
 BRADLEY FARMS PLAT NO. 24817
 10TH ELECTION DISTRICT - MONTGOMERY COUNTY - MARYLAND

MHG Macris, Hendricks & Glascock, P.A.
 Engineers ■ Planners
 Landscape Architects ■ Surveyors

9220 Wightman Road, Suite 120
 Montgomery Village, Maryland
 20888-1279

Phone 301.670.0840
 Fax 301.948.0693
 www.mhga.com

Professional Certification
 I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Professional Engineer under the Laws of the State of Maryland License No. 16905, Expiration Date: 04/21/2016

Project No. 2014.130.11
 Sheet 1 of 2